Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/31/2018 09:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124736	-1	1.43	124763	1.46
Blue	F	SSC	125000	122764	-2	2.12	123424	2.07
Blue	E	FITC	15760	15294	-3	2.98	329	22.52
Blue	D	PE	25880	25415	-2	2.04	552	16.43
Blue	B	PerCP-Cy5-5	34075	34124	0	4.24	1041	21.97
Blue	A	PE-Cy7	22776	22917	0	7.31	552	44.44
Red	C	APC	42488	41610	-3	2.65	1583	13.03
Red	A	APC-Cy7	24478	24282	-1	2.71	835	12.77
Violet	B	V450	6304	6111	-4	4.03	343	15.80
Violet	A	V500	26005	25138	-4	3.66	589	12.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20705	6.19	605	8	N/A	N/A	Pass
Blue	F	SSC	55452	1.49	565	10	N/A	N/A	Pass
Blue	E	FITC	58	74.13	560	4	0.0157	189	Pass
Blue	D	PE	115	57.16	554	5	0.1384	320	Pass
Blue	B	PerCP-Cy5-5	197	55.34	654	7	0.0081	130	Pass
Blue	A	PE-Cy7	107	111.68	706	9	0.0095	30	Pass
Red	C	APC	376	27.89	599	-1	0.0211	191	Pass
Red	A	APC-Cy7	205	28.12	571	0	0.0048	948	Pass
Violet	B	V450	57	70.48	485	-4	0.0371	2563	Pass
Violet	A	V500	88	41.01	502	-4	0.0150	844	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/31/2018 09:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.73	-31.60	0.94
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.39
Red	17.97	13.60 - 20.40	N/A	N/A	31.68	31.98	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9509

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments